

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Peter Davis (Reg. No. 36,119) on 3/13/2009.

The application has been amended as follows:

#### IN THE CLAIMS:

Claim 1 line 1: Changed "A system for" to – A computer system for –.

Claim 1 line 11: Changed "the data mining engine is a" to – the at least one data mining engine comprises a –.

Claim 2 line 1: Changed "The system" to – The computer system –.

Claim 2 line 3: Changed "data mining engine is a" to – data mining engine also comprises a –.

Claim 3 line 1: Changed "The system" to – The computer system –.

Claim 3 line 3: Changed "the data mining engine is a" to – the at least one data mining engine also comprises a –.

Claim 5 line 1: Changed "The system" to – The computer system –.

Claim 7 line 1: Changed "The system" to – The computer system –.

Claim 8 line 1: Changed "A system for" to – A computer system for –.

Claim 8 line 10: Changed "and supplements." to – and supplements; –.

Claim 8 after line 10: Added the new limitations:

- wherein the at least one data mining engine comprises a correlator to look for correlated signal characteristics in at least one of drug information, reaction information and demographic information;
- wherein the correlator is configured to maintain a consistent vocabulary by processing a vector comprising a plurality of categorical terms; and
- wherein the plurality of categorical terms sent to the correlator are therapeutic categories.

Claim 9 line 1: Changed "The system" to – The computer system –.

Claim 9 line 3: Changed "data mining engine is a" to – data mining engine also comprises a –.

Claim 10 line 1: Changed "The system" to – The computer system –.

Claim 10 lines 2-3: Changed "the data mining engine is a" to – the at least one data mining engine also comprises a –.

Art Unit: 2129

Claim 11: CANCELLED.

Claim 12 line 1: Changed "The system" to – The computer system –.

Claim 14 line 1: Changed "The system" to – The computer system –.

Claim 15 line 1: Changed "A method for" to – A computer-implemented method for –.

Claim 15 line 8: Changed "by the at least one filter; and" to – by the at least one filter, wherein the at least one data mining engine comprises a correlator to look for correlated signal characteristics in at least one of drug information, reaction information and demographic information; –.

Claim 15 line 9: Changed "vocabulary by processing a vector" to – vocabulary by using the correlator to process a vector –.

Claim 15 line 10: Changed "categorical terms;" to – categorical terms; and –.

Claim 15 line 13: Changed "categorical terms are therapeutic" to – categorical terms sent to the correlator are therapeutic –.

Claim 16 line 1: Changed "The method" to – The computer-implemented method –.

Claim 16 line 3: Changed "data mining engine is a" to – data mining engine also comprises a –.

Claim 17 line 1: Changed "The method" to – The computer-implemented method –.

Claim 17 line 3: Changed "data mining engine is a" to – data mining engine also comprises a –.

Claim 18: CANCELLED.

Claim 19 line 1: Changed "The method" to – The computer-implemented method –.

Claim 20 line 1: Changed "The method" to – The computer-implemented method –.

Claim 20 line 2: Changed "according to Claim 18" to – according to claim 15 –.

Claim 21 line 1: Changed "The method" to – The computer-implemented method –.

Claim 21 line 2: Changed "according to Claim 18" to – according to claim 15 –.

Claim 22 line 1: Changed "A method for" to – A computer-implemented method for –.

Claim 22 line 9: Changed "by the at least one filter; and" to – by the at least one filter, wherein the at least one data mining engine comprises a correlator to look for correlated signal characteristics in at least one of drug information, reaction information and demographic information; –.

Claim 22 line 10: Changed "vocabulary by processing a vector" to – vocabulary by using the correlator to process a vector –.

Art Unit: 2129

Claim 22 line 11: Changed "categorical terms;" to – categorical terms; and –.

Claim 22 line 16: Changed "categorical terms are therapeutic" to – categorical terms sent to the correlator are therapeutic –.

Claim 23 line 1: Changed "The method" to – The computer-implemented method –.

Claim 23 line 3: Changed "data mining engine is a" to – data mining engine also comprises a –.

Claim 24 line 1: Changed "The method" to – The computer-implemented method –.

Claim 24 line 3: Changed "data mining engine is a" to – data mining engine also comprises a –.

Claim 25: CANCELLED.

Claim 26 line 1: Changed "The method" to – The computer-implemented method –.

Claim 28 line 1: Changed "The method" to – The computer-implemented method –.

Claim 29 line 1: Changed "The method" to – The computer system –.

Claim 30 line 1: Changed "The method" to – The computer system –.

Claim 31 line 1: Changed "The method" to – The computer system –.

Claim 32 line 1: Changed "The method" to – The computer system –.

Claim 33 line 1: Changed "A system for" to – A computer system for –.

Claim 33 line 15: Changed "the data mining engine is a" to – the at least one data mining engine comprises a –.

Claim 34 line 1: Changed "The system" to – The computer system –.

Claim 35 line 1: Changed "The system" to – The computer system –.

Claim 36 line 1: Changed "The system" to – The computer system –.

Claim 37 line 1: Changed "The system" to – The computer system –.

Claim 38 line 1: Changed "The system" to – The computer system –.

Claim 39 line 1: Changed "The system" to – The computer system –.

Claim 40 line 1: Changed "The system" to – The computer system –.

Claim 41 line 1: Changed "The system" to – The computer system –.

Claim 42 line 1: Changed "The system" to – The computer system –.

#### **Reasons for Allowance**

The following is an examiner's statement of reasons for allowance:

Art Unit: 2129

Claims 1-3,5,7-10,12,14-17,19-24,26 and 28-42 are considered allowable since when reading the claims in light of the specification, as per MPEP -§2111.01 or In re Sneed, 710 F.2d 1544, 1548, 218 USPQ 385, 388 (Fed. Cir. 1983), none of the references of record alone or in combination disclose or suggest the combination of limitations specified in the independent claims including "wherein the at least one data mining engine comprises a correlator to look for correlated signal characteristics in at least one of drug information, reaction information and demographic information; wherein the correlator is configured to maintain a consistent vocabulary by processing a vector comprising a plurality of categorical terms; and wherein the plurality of categorical terms sent to the correlator are therapeutic categories" (supported in the specification as filed at e.g., ¶¶58,131,136-137,140,147), as specified in independent claims 1, 8, 15, 18, and 33.

All of the claims are tied to hardware as a "computer system" or a "computer-implemented method", and the hardware achieves the status of being a "particular machine" for the purposes of 35 U.S.C. §101 in being applied to the substantial practical application of displaying analyzed risks of either a substance of interest or a drug of interest.

The Examiner was persuaded by the arguments filed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### **Correspondence Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BENJAMIN BUSS whose telephone number is (571)272-5831. The examiner can normally be reached on at least Monday, Tuesday, Thursday, or Friday 9AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Vincent can be reached on 571-272-3080. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2129

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Benjamin Buss  
Examiner  
Art Unit 2129

/B. B./  
Examiner, Art Unit 2129  
/David R Vincent/  
Supervisory Patent Examiner, Art Unit 2129